

## ***Saving Energy: It's in the Bag!***

### **Cross Curricular Energy Art Project for Tennessee 8<sup>th</sup> Graders**

#### **Project Overview**

The Tennessee Energy Education Network (TEEN), in cooperation with the Tennessee Valley Authority (TVA), Project CENTS, and the Green Schools Program, is sponsoring a cross-curriculum art project entitled **"Saving Energy: It's in the Bag!"** The project is open to all Tennessee 8<sup>th</sup> graders in both public and private schools. Winning entries will be reproduced on reusable shopping bags that will be distributed throughout the state. The project includes lessons in science, language arts and visual arts, addressing standards in each of those subjects. The students will learn about energy resources and the importance of conserving energy and will apply that knowledge to drawing a design which projects an energy conservation message that is appropriate for a reusable shopping bag. They will also use their language arts skills to compose a short paragraph that explains how reusable shopping bags help save energy and preserve the environment.

#### **Steps for a Successful Project**

##### **1. Science**

- a. Teacher teaches lesson(s) on energy resources, both renewable and non-renewable, covering the issue of how energy efficiency and conservation can help our country achieve energy independence.  
Lesson ideas can be found at the following links:  
<http://www.roanestate.edu> (keyword: accent)  
<http://www.need.org>  
<http://apps1.eere.energy.gov/education/lessonplans/>
- b. Students conduct research about energy conservation and specifically the issue of plastic shopping bags.

##### **2. Language Arts**

- a. Each student writes a paragraph containing 100-150 words that explains the connection between reusable shopping bags and energy conservation.  
The prompt for this writing exercise is:  
**"How do reusable shopping bags help conserve energy and preserve the environment?"**
- b. Paragraphs should be reviewed by the teacher and student and then revised by student to produce a polished final product.
- c. The paragraph must be typed, double-spaced, and printed on 8 ½" x 11" paper.

##### **3. Visual Arts**

- a. Students use what they have learned in science class and in their research to design a picture that will be appropriate for printing on a re-usable shopping bag.
  - i. Dimensions: 8 ½ " x 11" paper
  - ii. Art medium: markers
  - iii. Only **100% original student artwork** and no computer generated images will be accepted.

4. Participating schools must conduct a local contest and select one winner to represent your school in the state level contest (see scoring rubric for judging criteria) and send in with **completed entry form to be received by the Energy Policy Office by 4:30pm, March 2, 2009.** NOTE: All entries become the property of the Energy Policy Office.

## Connections to the Tennessee Curriculum for Grade 8

### Science

8.10.4 Examine different types of energy resources and their importance to man.

- a. Describe the different sources of energy used by man.
- b. Analyze aspects of energy consumption by society.

### Visual Art

- 2.3 Develop an awareness of the function or intrinsic purposes of works of art.
- 2.4 Apply problem-solving skills that lead to solutions to specific visual art tasks.
- 3.2 Use subjects, themes and symbols that demonstrate knowledge of contexts, values, and aesthetics that communicate intended meanings in artworks.
- 5.1 Compare multiple purposes for creating works of art.
- 5.2 Analyze contemporary and historic meanings in specific artworks, including mass media, through cultural and aesthetic inquiry.
- 5.3 Describe and compare a variety of individual responses to their own artworks and to artworks from various eras and cultures.
- 5.4 Investigate and design works of art that communicate sensitivity to the natural and manmade environment.

### Language Arts

- 8.1.08 Use active comprehension strategies to derive meaning while reading and check for understanding after reading.
  - 8.1.09 Refine study skills and develop methods of research to enhance learning.
  - 8.1.10 Apply vocabulary development and comprehension skill to facilitate reading to learn in content areas.
  - 8.1.11 Read independently for a variety of purposes.
  - 8.2.01 Engage in prewriting, using a variety of strategies.
  - 8.2.02 Write for a variety of audiences and purposes.
  - 8.3.03 Compose drafts of written works.
  - 8.2.05 Include editing before the completion of finished work.
  - 8.2.07 Experience numerous publishing opportunities.
  - 8.2.09 Write frequently across all content areas.
  - 8.2.10 Write expressively in order to develop an effective writing style.
  - 8.2.11 Write in response to literature.
  - 8.2.12 Write in a variety of forms and genres.
  - 8.3.01 Demonstrate knowledge of standard English usage.
  - 8.3.02 Demonstrate knowledge of standard English mechanics.
  - 8.3.03 Demonstrate knowledge of standard English spelling.
  - 8.3.04 Demonstrate knowledge of correct sentence structure.
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**Deadline for Entry: All entries must be received in the Energy Policy Office by 4:30 PM CST on MARCH 2, 2009.**

### Mailing address:

Energy Art Project  
Dept. of ECD  
Energy Policy Office – 10<sup>th</sup> Floor  
312 Rosa Parks Ave.  
Nashville, TN 37243-1102

## Awards and Recognition

Winning students, their parents, and their teachers will be invited to the TEEN Awards Luncheon in May 2009. All participating students will receive a certificate of recognition. First, second and third place student winners will receive awards provided by the Energy Policy Office as follows:

First Place - \$500

Second Place - \$300

Third Place - \$200

The sponsoring teacher of each winning student will receive 500 reusable bags with their student's design to be distributed in the school and/or community.

In support of its energy efficiency effort, TVA will award sponsoring teachers of all three winning entries \$200 to purchase materials for their classroom.

## Scoring Rubric for Energy Art Project

### Art Portion:

#### Design:

Color	10 pts
Proportion	5 pts
Balance	5 pts
Contrast	5 pts
Neatness	5 pts
Appropriate use of the art medium	10 pts

#### Subject:

Depicts an energy conservation theme	20 pts
Creativity	<u>15 pts</u>

Total points for art 75 pts

### Written Portion:

Contains a topic sentence, a concluding sentence, and supporting details	5 pts
Captures the attention of the audience	5 pts
Contains accurate information about energy conservation and relates that to reusable shopping bags	10 pts
Spelling, punctuation, capitalization	<u>5 pts</u>

Total points for written 25 pts

**Total possible points 100 pts**

***Saving Energy: It's in the Bag!***  
**Art Project Entry Form**

*Complete this form and attach to your entry.*

**School Name** \_\_\_\_\_

**School Address** \_\_\_\_\_

**City** \_\_\_\_\_ **Zip** \_\_\_\_\_

**School Phone (\_\_\_\_)** \_\_\_\_\_

**County** \_\_\_\_\_

**Sponsoring Teacher** \_\_\_\_\_

**Student Name** \_\_\_\_\_

**Home Address** \_\_\_\_\_

**City** \_\_\_\_\_ **Zip** \_\_\_\_\_

**Home Phone (\_\_\_\_)** \_\_\_\_\_

**Parent/Guardian name** \_\_\_\_\_

*We hereby certify that the artwork enclosed is 100% original artwork by the student named above. It is also understood that the artwork becomes the property of the Tennessee Energy Policy Office and will not be returned. In the event that the artwork is a state winner, I agree to have it reproduced on reusable shopping bags and distributed throughout the state as well as posted on the Internet.*

\_\_\_\_\_  
**Student Signature**

\_\_\_\_\_  
**Parent/Guardian Signature**